

FIG. 1A

metallization layer 20

25

24

22

18

14 N-contact

8

10

12 Active region

16 P-contact

4 LED

FIG. 1B

LED 4

metallization layer 20

N-layer 8

P-layer 10

12 Active Region

6 Bonding Layer

14 N-contact

16 P-contact

22

24

25

← 2 Lens

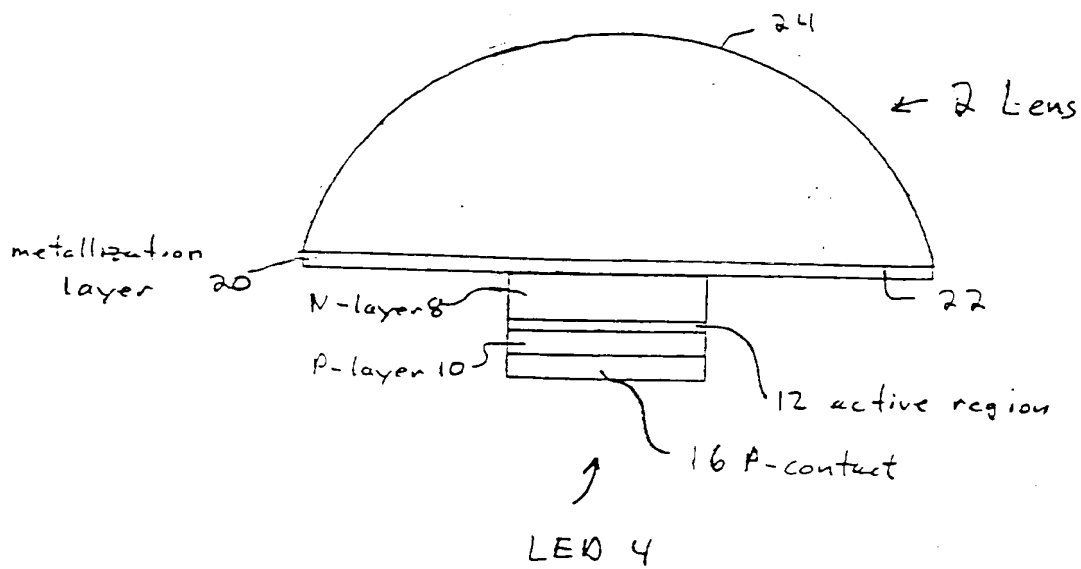


FIG. 1C

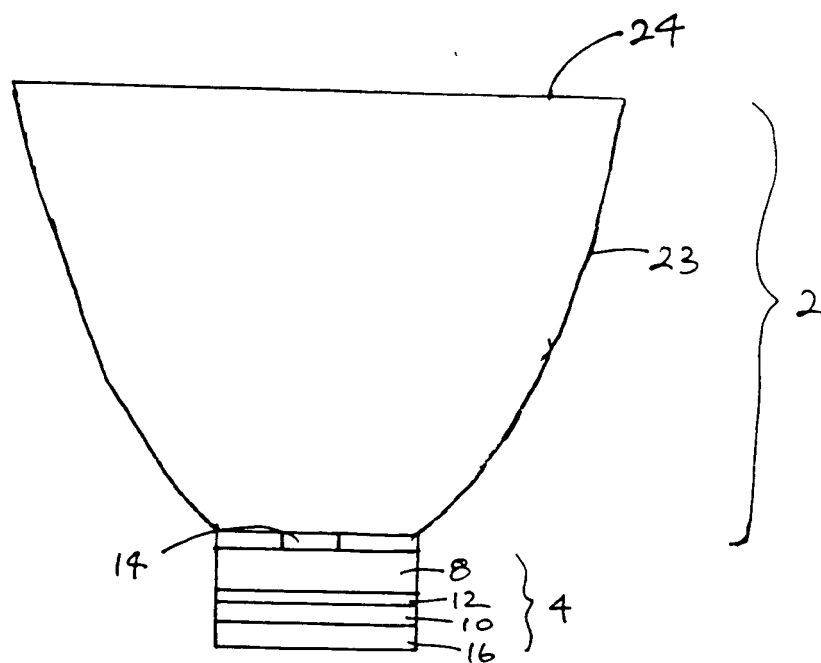


FIG. 1D

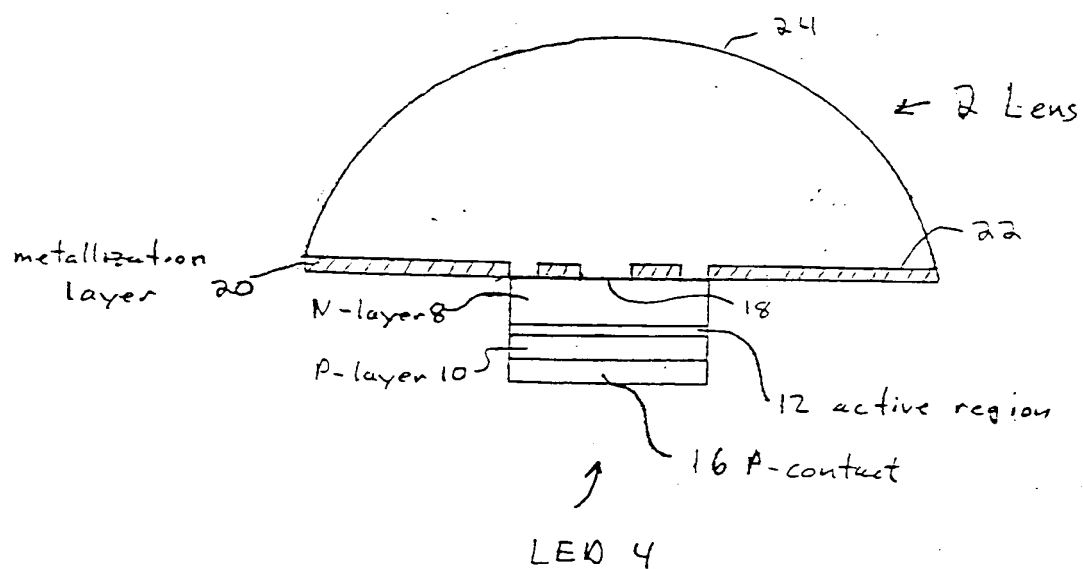
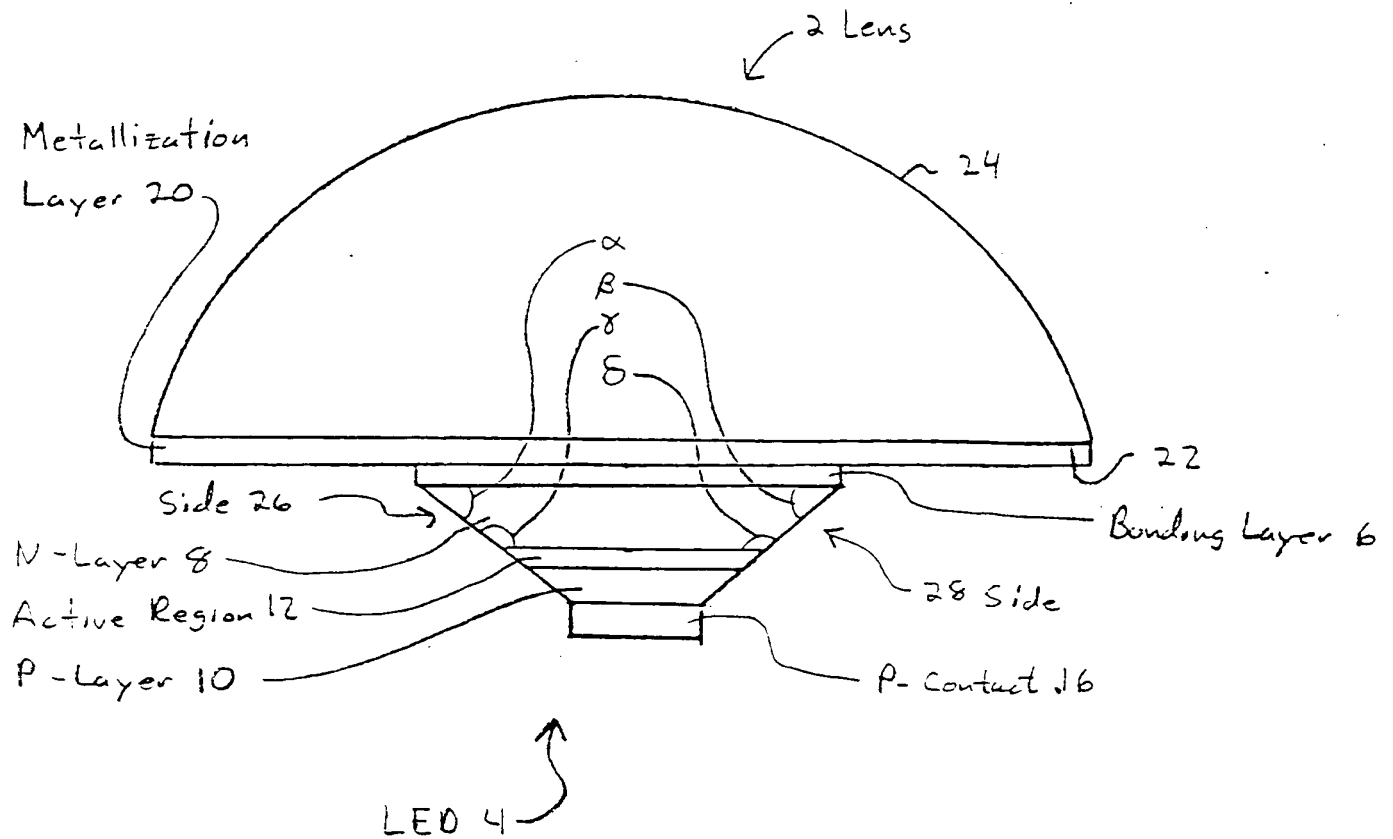


FIG. 2



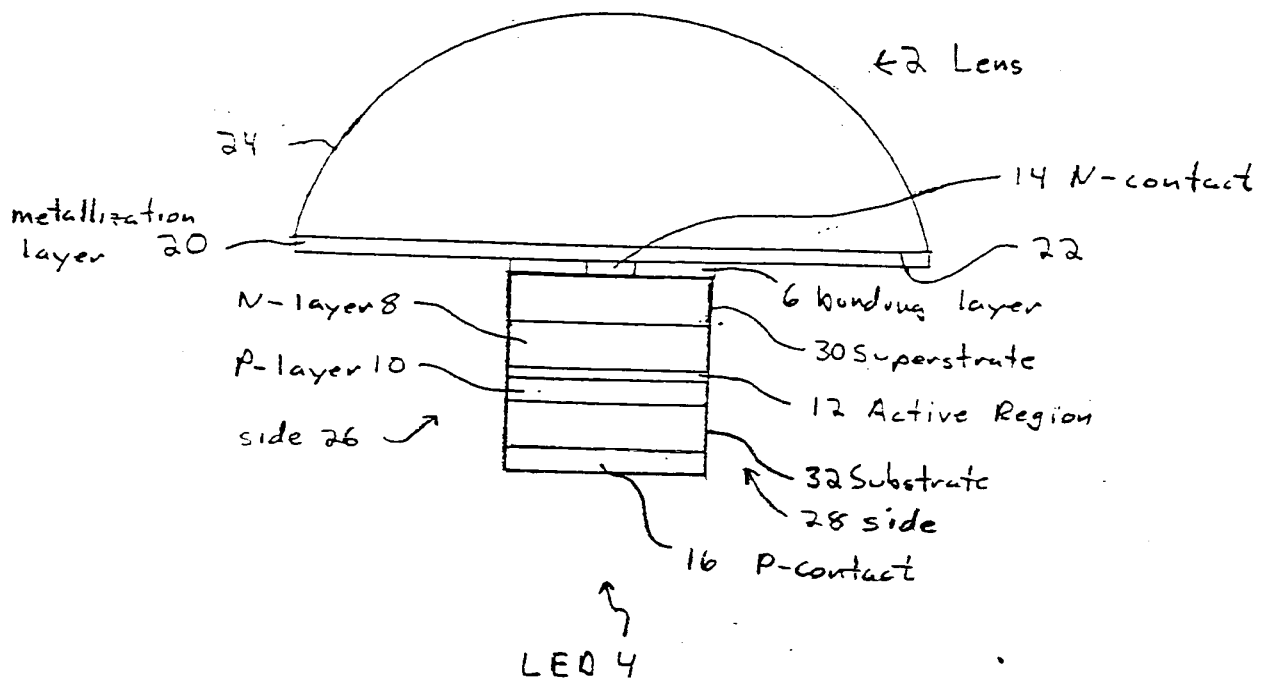


FIG. 4

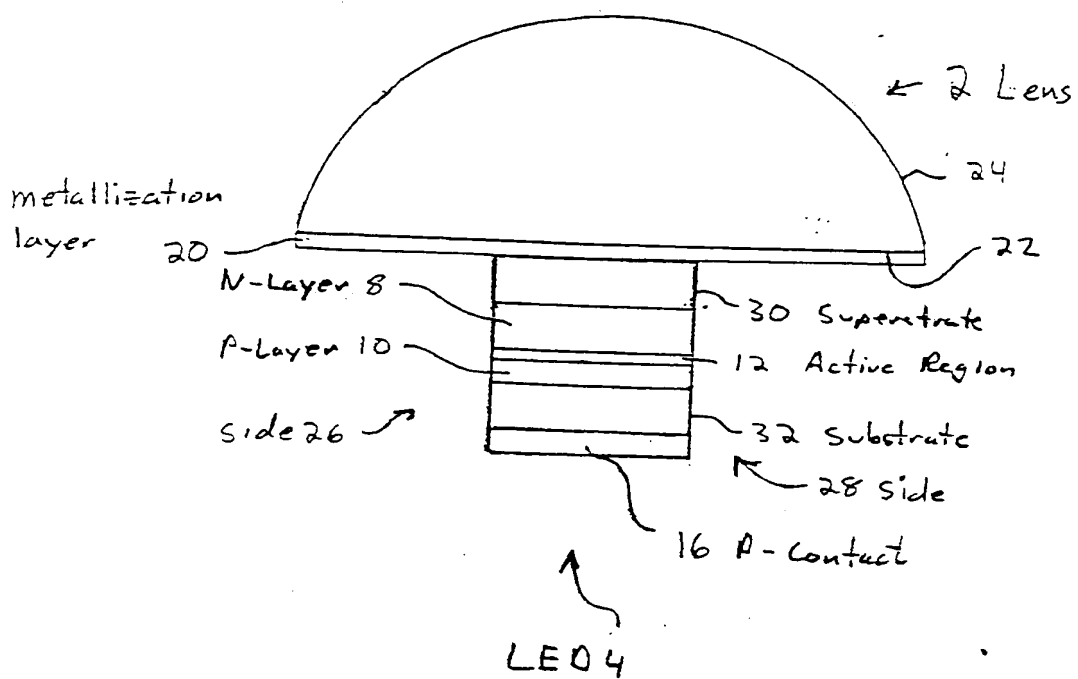


FIG. 5

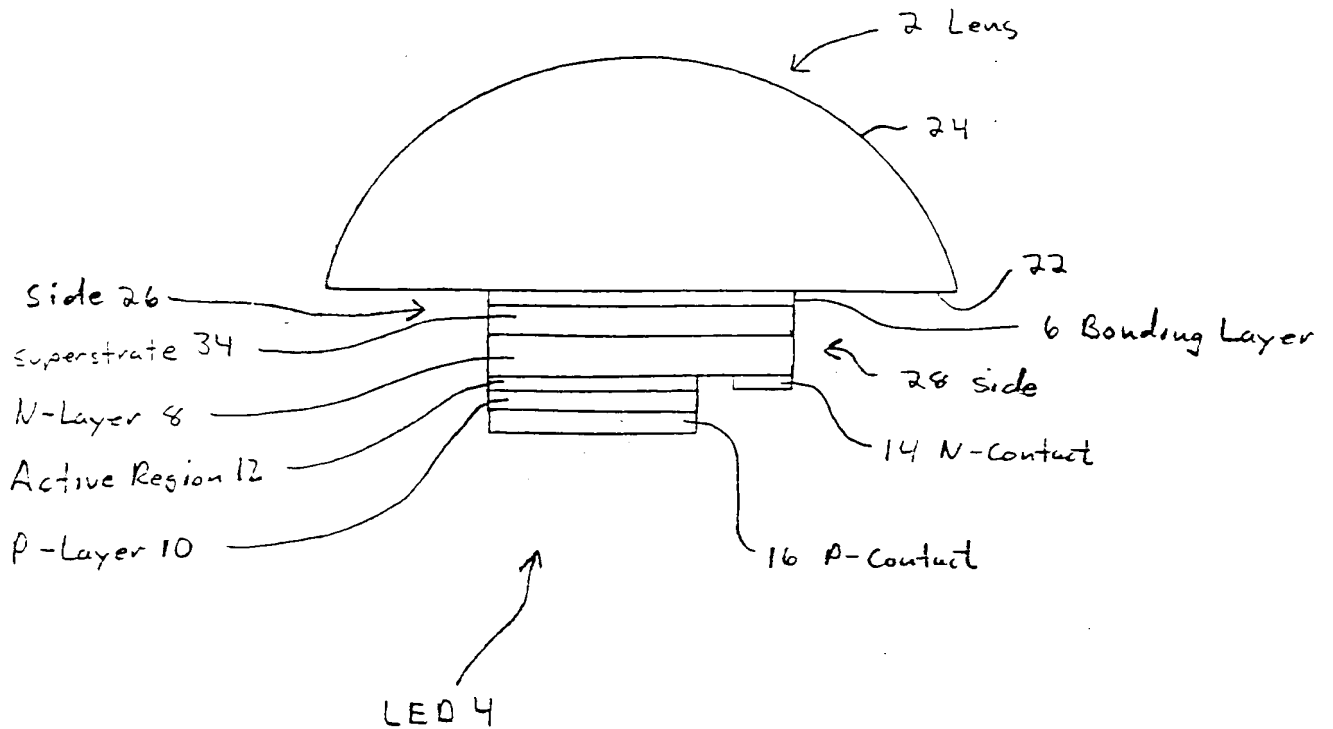


FIG. 6



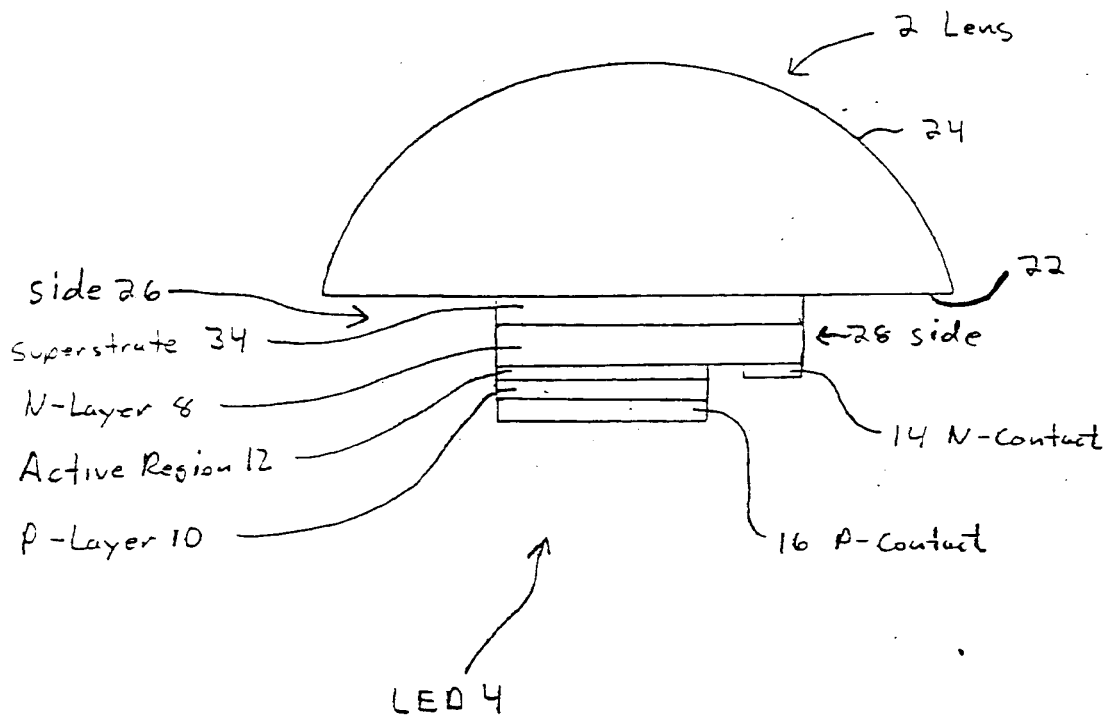


FIG. 7

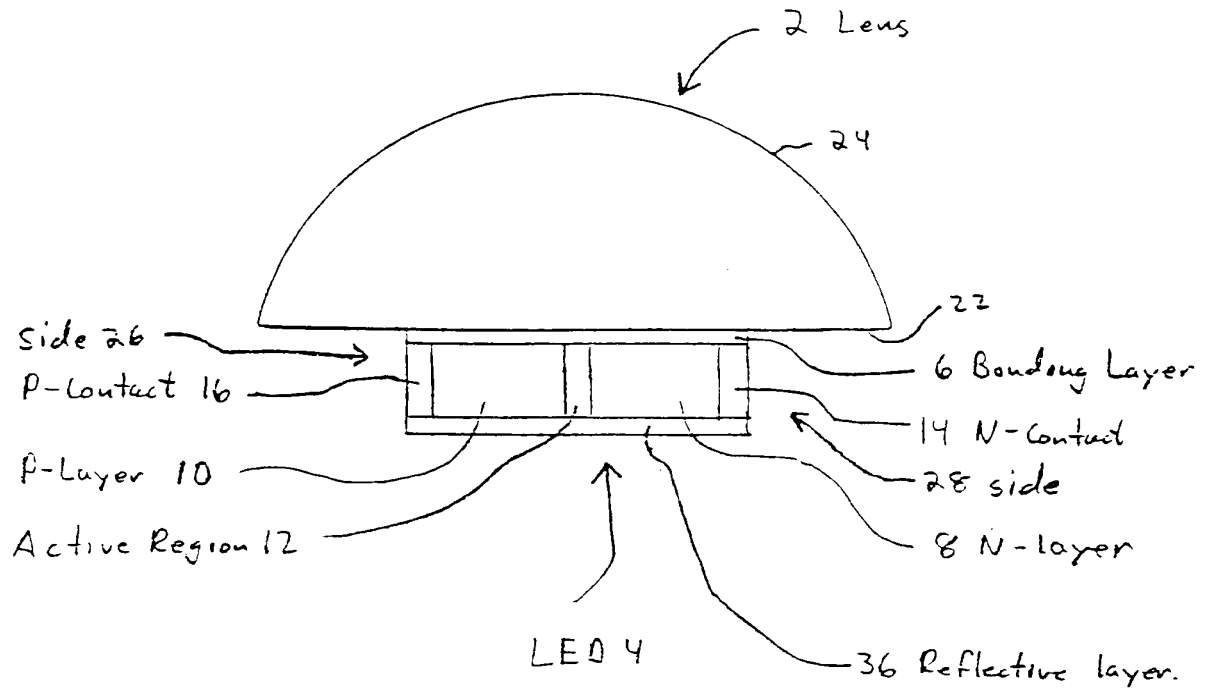


FIG. 8

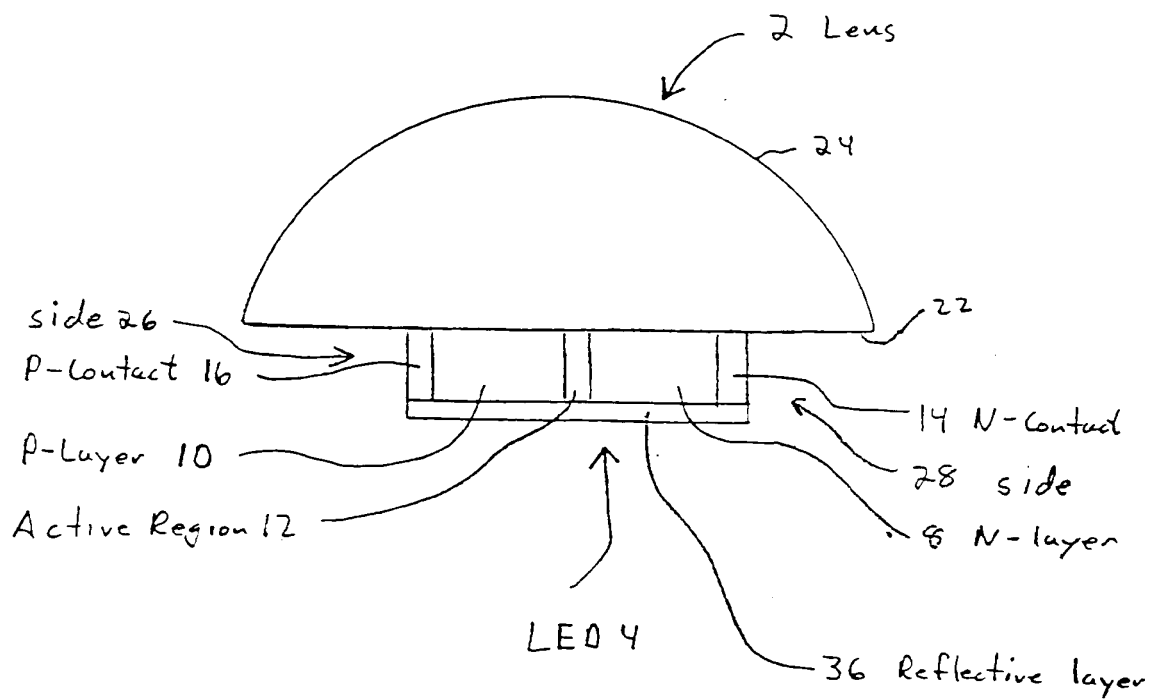


FIG. 9

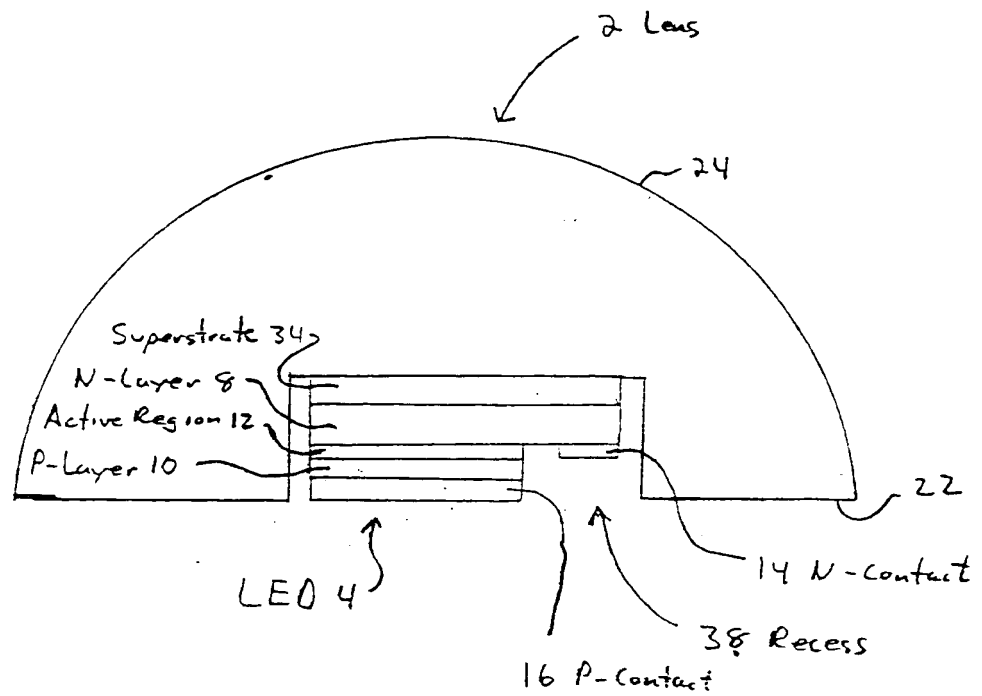


FIG. 10